



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 10

1200 Sixth Avenue, Suite 900
Seattle, Washington 98101-3140

JUL 17 2009

Reply To: OCE-082

Bob Hayden
Upper Skagit Indian Tribe
5984 North Darrk Lane
Bow, Washington 98232

Re: Underground Injection Control Program
Authorization by Rule of Two Injection Wells for Disposal of Wastewater Treatment
Plant Effluent, Upper Skagit Indian Tribe Water Reclamation Facility
UIC ID # WA425T5-17-13494

Dear Mr. Hayden:

The Environmental Protection Agency, Region 10 (EPA) Underground Injection Control (UIC) Program is in receipt of inventory information that was submitted by the Upper Skagit Indian Tribe and on your behalf by Wilson Engineering, LLC, for two new Class V injection wells proposed for use at the Upper Skagit Indian Tribe Water Reclamation Facility, 5984 N. Darrk Lane, Bow, Washington. The information was submitted in October and December 2008, with additional information provided in response to questions from EPA in March and July 2009.

EPA hereby authorizes by rule 2 Class V injection wells for disposal of treated wastewater effluent pursuant to the specifications proposed in the inventory submittal, as summarized below:

1. 2 injection wells will be installed for disposal of up to 200,000 gallons per day of wastewater treatment plant effluent from the Upper Skagit Indian Tribe Wastewater Reclamation Facility;
2. each injection well will be constructed as a 140-foot-deep drywell, injecting treated effluent into the Vashon Advance Outwash geologic unit, with a vertical separation distance of approximately 40 feet between the points of injection and the top of the unconfined aquifer within the advance outwash unit, or approximately 20 feet of vertical separation between the points of injection and the top of the confining layer of the geologic unit that exists below the advance outwash unit;
3. each injection well will be sized to inject the maximum daily flow of 200,000 gallons per day of treated wastewater effluent, but only one well will be operated at a time;
4. all of the wastewater will be generated at Upper Skagit Indian Tribe facilities within the Bow Hill Road Reservation;
5. the wastewater will be treated to meet all primary drinking water standards prior to injection and the Upper Skagit Indian Tribe will conduct regular monitoring to ensure that the injectate meets primary drinking water standards;

6. monitoring wells will be installed downgradient of the injection wells at points likely to intercept the injectate and they will be sampled regularly for total organic carbon and ground water quality parameters, including primary contaminants, secondary contaminants, radionuclides, and carcinogens, as defined by the State of Washington in Washington Administrative Code Chapter 173-200, to determine whether there are any unanticipated impacts to the aquifer from the injection activities;
7. a monitoring well will be installed upgradient of the injection wells for purposes of establishing background water quality, but it will only be used for monitoring purposes if ground water is present in large enough quantities for sampling;
8. in the event of wastewater treatment system failure, injection activity will stop and any wastewater effluent exceeding the storage capacity of the system will be disposed of through a nearby sewer system.

Thank you for submitting this inventory information. Two new wastewater treatment plant effluent disposal wells have been entered in the UIC inventory of injection wells for the Upper Skagit Indian Tribe Wastewater Reclamation Facility, listed under UIC facility identification number WA425T5-17-13494. The Upper Skagit Indian Tribe is responsible to meet all applicable UIC requirements under the Safe Drinking Water Act. All future correspondence related to these injection wells should include a reference to the assigned UIC facility identification number.

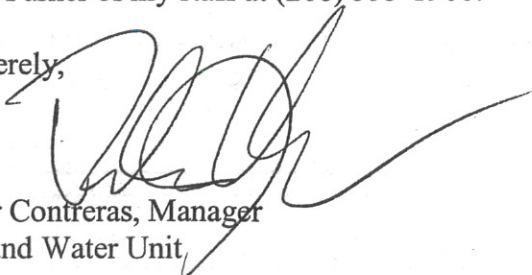
When the injection well construction is complete and the wells become active, you are required to notify EPA of the change in operational status. When you notify EPA of the change in status, please include final documentation of the injection well construction. Please note that any changes to the design of the injection wells or the type or quality of effluent to be injected may invalidate this authorization by rule for these two injection wells.

Any unauthorized discharges, including accidental spills, into the injection wells must be reported within twenty-four (24) hours of the event. Should any conditions change in the operation of these injection wells, the Upper Skagit Indian Tribe is required to notify EPA's Region 10 office within seven (7) days. All reporting and notifications should be addressed to:

**U. S. Environmental Protection Agency Region 10
Underground Injection Control Program
1200 Sixth Avenue, Suite 900, OCE-082
Seattle, Washington 98101**

If you have any questions, please contact Jennifer Parker of my staff at (206) 553-1900.

Sincerely,


Peter Contreras, Manager
Ground Water Unit